

## **Region 3 GPRA Baseline RCRA Corrective Action Facility**

# **Federal-Mogul Corporation**

300 Industrial Park Road, SE  
Blacksburg, VA 24060  
Congressional District 9  
EPA ID#: VAD054039961  
Last Updated 07/01/05

**Map:** Refer to the last page of this fact sheet.

## **Current RCRA CA Activities**

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In accordance with Federal-Mogul's HWSA Permit of April 2001, the facility developed an RFI Work Plan, which was approved by the VADEQ in June 2003, and conducted the RFI field studies/sampling.

A Part A and B permit application was submitted, by the facility, in May 2004 to renew the Hazardous Waste Management Permit (Post Closure) which expired in September 2004.

A permit modification was approved in February 2005 to change the frequency of groundwater monitoring and constituent monitoring list.

To mitigate the migration of the TCE contaminated groundwater; three onsite groundwater extraction wells are operational with the extracted groundwater treated by air stripping and carbon filtration to remove the TCE.

Federal-Mogul constructed potable water lines to deliver city drinking water to residents along Jennelle Road whose water wells were impacted by the facility's groundwater plume. The potable water lines were extended to provide city drinking water to other non-impacted residences as an added safeguard.

## **Site Description**

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The Federal-Mogul facility is located in the Town of Blacksburg, Virginia in Montgomery County on U.S. Route 460. The Federal-Mogul facility/plant has produced high specification engine crankshaft and piston rod bearings for the automotive and industrial engines since 1971. The manufacturing process involves electroplating finished bearing components with various metals.

The facility holds a Hazardous and Solid Wastes Amendments Corrective Action Permit (HWSA permit) that became effective April 2001 and will be in effect until April 2011. This permit requires Federal-Mogul to conduct a RCRA Facility Investigation (RFI) to determine the nature and extent of the releases of hazardous waste and constituents. Also, VADEQ issued a Hazardous Waste Management Permit (Post Closure) in September 1994, which requires compliance monitoring and implementation of corrective action. Treated wastewater is discharged to a Town of Blacksburg sanitary sewer in accordance with the Town of Blacksburg Industrial Wastewater Discharge Permit No. 7.

## RCRA CA Milestones

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The following RCRA CA milestones have been achieved at this facility: RCRA Facility Assessment 01/20/99, RFI Imposition 01/20/99, NCAPS ranking 01/28/99, HWSA Permit 04/17/01, RFI Work Plan approval 06/13/03, draft RFI Report March 2004, and Hazardous Waste Management Permit (Post Closure) renewal application May 2004. Additional details concerning these milestones and the supporting documentation can be obtained by reviewing the files at the Virginia Department of Environmental Quality's Central Office or by contacting the project managers identified in this Fact Sheet.

## Environmental Indicator Status

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Under the Government Performance and Results Act (GPRA), EPA has set national goals to address high priority RCRA Corrective Action facilities by the year 2005. EPA is evaluating two key indicators for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is one of EPA Region III's high priority facilities and falls under this initiative. The current Environmental Indicator Determination for this facility is as follows:

- *Human Exposures Controlled Determination:* YE: Current human exposures under control.
- *Release to Groundwater Controlled Determination* YE: Migration of contaminated groundwater under control.

The facility has conducted a RFI to characterize the presence, magnitude, extent, direction, concentration, and rate of migration of releases of hazardous wastes or constituents. In addition, Federal-Mogul has provided city potable water service to offsite residents whose water wells were contaminated by Federal-Mogul's hazardous waste releases, and city drinking water pipelines have been extended to other residences as an added safety measure.

## Contaminants

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Prior environmental studies have identified trichloroethylene (TCE) as the primary contaminant. TCE was used by Federal-Mogul as a solvent to remove grease from metal parts. It is no longer used at the Federal-Mogul facility. The RFI entails the sampling of soils, groundwater, surface water, and sediment. The samples are analyzed for inorganics, and organics including TCE and its transformation by-products.

## Institutional Controls

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Federal-Mogul constructed potable water lines to deliver city drinking water to residents along Jennelle Road whose water wells were impacted by the facility's groundwater plume. The potable water lines were extended to provide city drinking water to other non-impacted residences as an added

## Community Involvement

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The RFI Work Plan includes a Community Relations Plan, which involves:

- Preparation and distribution of a Fact Sheet prior to the commencement of the RFI field studies.
- Composition and distribution of a RFI Report Executive Summary at the completion of the RFI study.
- Distribution of groundwater and air contamination notification to those impacted by hazardous constituents released from the facility.

A copy of all documents relating to the RCRA CA program at the Federal-Mogul site are available for viewing at the Virginia Department of Environmental Quality's Central Office located at 629 East Main Street Richmond, Virginia.

## Government Contacts

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The Commonwealth of Virginia has the lead authority for this project. Please contact the VADEQ project manager listed below for details on this project or the contents of this fact sheet.

### VADEQ Project Manager

Mr. Dennis G. Lund  
Virginia Department of Environmental Quality  
P.O. Box 10009  
Richmond, VA 23240  
Phone: (804) 698-4232  
Email: [dglund@deq.virginia.gov](mailto:dglund@deq.virginia.gov)

### EPA Project Manager

Mr. Mike Jacobi  
U.S. Environmental Protection Agency - Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029  
Phone: (215) 814-3435  
Email: [jacobi.mike@epa.gov](mailto:jacobi.mike@epa.gov)

For more information about EPA's corrective action program, including Environmental Indicators, please visit EPA's site at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm)

## Facility Contact

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The facility contact is:

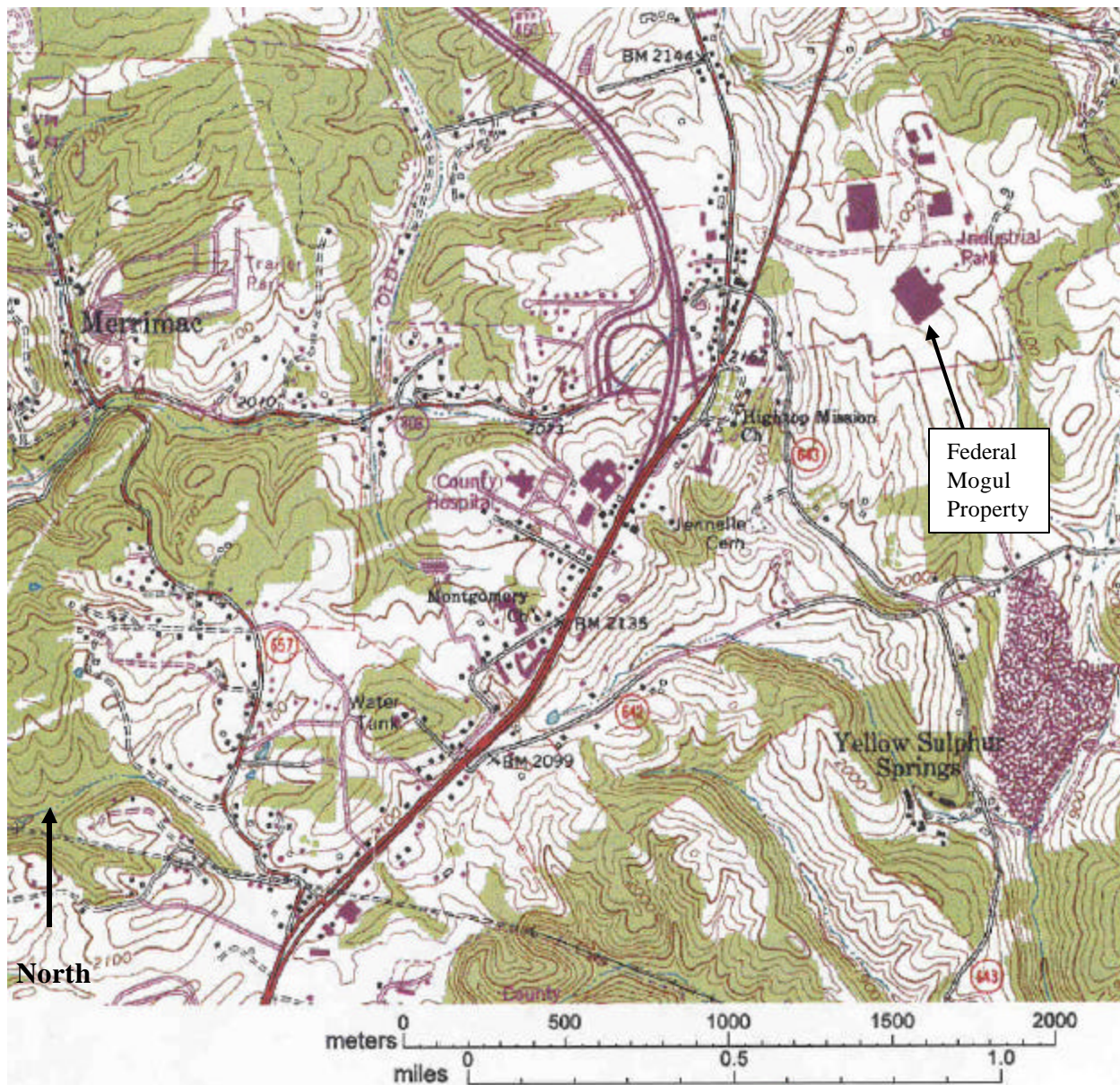
Ms. Rachel Layman  
Environmental Health and Safety Coordinator  
Federal-Mogul Corporation  
300 Industrial Park Road, S.E.  
Blacksburg, VA 24060-6699  
Phone: (540) 557-3344  
Email: [rachel\\_layman@fmo.com](mailto:rachel_layman@fmo.com)

## Fact Sheet Updates

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The previous fact sheet was updated on January 01, 2005. The next update is scheduled for December 2005. Previous fact sheets may be obtained through the listed government contacts.





Source: USGS 7.5 Minute Quadrangle  
Blacksburg, VA  
1997